

From glowbugs@theporch.com Wed Jan 17 21:40:00 1996  
Return-Path: glowbugs@theporch.com  
Received: from uro (localhost.theporch.com [127.0.0.1]) by uro.theporch.com  
(8.7.3/AUX-3.1.1) with SMTP id VAA02273; Wed, 17 Jan 1996 21:35:55 -0600 (CST)  
Date: Wed, 17 Jan 1996 21:35:55 -0600 (CST)  
Message-Id: <199601180335.VAA02273@uro.theporch.com>  
Errors-To: ws4s@midtenn.net  
Reply-To: glowbugs@theporch.com  
Originator: glowbugs@theporch.com  
Sender: glowbugs@theporch.com  
Precedence: bulk  
From: glowbugs@theporch.com  
To: Multiple recipients of list <glowbugs@theporch.com>  
Subject: GLOWBUGS digest 79  
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas  
X-Comment: Please send list server requests to listproc@theporch.com  
Status: 0

#### GLOWBUGS Digest 79

Topics covered in this issue include:

- 1) Re: SP-200/BC-779 Update  
by Kim Herron <kherron@voyager.net>
- 2) Son of Glowbuggin' Tonite  
by rdkeys@csemail.cropsci.ncsu.edu
- 3) Join in the fun!  
by Conard Murray <cfm@tntech.edu>
- 4) Tubes on sale at Antique Electronic Supply  
by mburke@beast.sme.siemens.com (Michael Burke)
- 5) Re: Son of Glowbuggin' Tonite  
by Steve Ellington <n4lq@iglou.com>
- 6) Son of Glowbuggin' Tonite  
by rdkeys@csemail.cropsci.ncsu.edu

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Date: Wed, 17 Jan 1996 09:00:26 -0500  
From: Kim Herron <kherron@voyager.net>  
To: boatanchors@theporch.com  
Cc: glowbugs@theporch.com  
Subject: Re: SP-200/BC-779 Update  
Message-ID: <199601171400.JAA09947@vixa.voyager.net>

Hi gang,

Dave Metz posted this early today:

>You might check under the can assembly T-6 for a mica looking cap that is

>shorted. On two different 779's, I have had to replace this critter and the  
>effect was similar to your description. (It also took out the associated  
>resistor). For some reason, the mica's in these units must be in a similar  
>category to the infamous caps of the BC348. Hope this helps.

I, too, have found that the old postage stamp silver mica caps are beginning to fail at an ever increasing rate. I have fixed several receivers recently that have exhibited leaky and shorted silver mica postage caps. Years ago they almost never were a problem. Nowadays, I look at them very closely and on a receiver that doesn't have very many, and they aren't real hard to get at, I just replace them along with the paper wax caps. My two cents.

KIM

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Date: Wed, 17 Jan 1996 12:13:44 -0500 (EST)  
From: rdkeys@csemail.cropsci.ncsu.edu  
To: glowbugs@theporch.com  
Cc: rdkeys@csemail.cropsci.ncsu.edu ()  
Subject: Son of Glowbuggin' Tonite  
Message-ID: <9601171713.AA101631@csemail.cropsci.ncsu.edu>

Well, I had a goodly quantity of the ol' roundhouse fun last night twiddlin' the knobs on the ol' RAL regenerator, with Big Bertha in tow. I was mostly in the 1802-1805khz QRG from about 0200-0500Z, but faded away fast into the ol' sack after about 0530Z.

I was working mostly QSK with the RAL on a 10 foot indoor wire, but later slowed down on the leisurely J38 with the ol' antenna relay clacking away atop Big Bertha. Aside from a touch of the usual glass arm/QLF mode after an hour or so, it went pretty well. I needs oils up de ol' glass elbow for QRQ on the J38 tho..... the rust be gettin' at de ol' man's timbers.

Had the good fortune to work our fearless leader Conard/WS4S with his highly classic TCS/BC348 pair, as well as a fellow down in Hilton Head Island, SC, running the indomitable T-368/URT. I did not hear any of the Hartley/TPTG crowd, though. Perhaps tonight or friday night in the wee small hours. The band was quite good, Conard peaking 5NN with his 45 watts (hot lil TCS). It was armchair copy all the way. I will probably put Henrietta Hartley online tonight, if I can get all the space cleared atop the RAL...(:+}}..... Henrietta Hartley needs room to breathe and keep her fine glow emanating.

Let's hear a few more o' the ol' Glowbug crowd on the QRG/1803-1805 QTR/0200-0600UTC, over the next few days and sees wats weuns cans sees, an' 'ears what weuns cans 'ears..... cuz the band she be in fine form!

I hear there's fellers out there with 6146 oscillators, PP 801's, an' all manner o' fine bottleburners in the bilges. Stokes 'em up, 'an keeps yer keys at the fore, so's yer at the ready for the watch!

...ahhhh, the warm fuzzies from a fine breadboard buzzin' it buzzes, an' sparkin' its sparks, an emanating fine holes in the ether..... likewise, is the fine and warm glow of the ol' regenerator at par with the ragged edge of feedback....

73/ZUT DE NA4G/Bob

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Date: Wed, 17 Jan 1996 11:22:45 -0500  
From: Conard Murray <cfm@tntech.edu>  
To: Multiple recipients of list <glowbugs@theporch.com>  
Subject: Join in the fun!  
Message-ID: <01I045MMEWAQ90FVIFY@tntech.edu>

-- [ From: Conard Murray \* EMC.Ver #2.5.02 ] --

Hey gang,

Lets hear some more activity on the 160M freq! The signals are good and the noise almost nonexistent. No fancy DX-chaser special antennas are needed so forget the 1/4 wave tower problems.... just load up whatever is handy or string up a random wire and lets hear everyone on 1805 Kc/s!

I was very surprised to work a G3 RST 449 around 1810 KHz last night at 0258z with my 45 watts and inverted-l that is mostly flattop. I was thrilled just to hear a DX station here, much less work one. The BC band was running over with French-speaking stations and even some decent heterodynes from the European stations so the band was really hot. Maybe Jeff will take time away from his dozens of European schedules to work us from KH6!

Keep up the high quality of the posts. I don't know how this list will be affected by the dues requirement on the BA list. We are a seperate list but use the same system resources etc. so I think we should do our part to keep this quality resource alive and well.

73 and ZUT!

Conard, ws4s  
glowbugs listowner  
cfm@tntech.edu

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Date: Wed, 17 Jan 96 12:29:46 EST  
From: mburke@beast.sme.siemens.com (Michael Burke)  
To: glowbugs@theporch.com  
Subject: Tubes on sale at Antique Electronic Supply

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Date: Wed, 17 Jan 1996 14:48:26 -0500 (EST)  
From: Steve Ellington <n4lq@iglou.com>  
To: rdkeys@csemail.cropsci.ncsu.edu  
Subject: Re: Son of Glowbuggin' Tonite  
Message-ID: <Pine.SOL.3.91.960117144357.14743C-100000@iglou2>

> I feel that my/our use of ZUT in this furtherance of that goal is in concert  
> with their philosophy and the spirit of their operators. Several aboard are  
> ZUT folks, officially, and in kindred spirit.

Officially??? Is ZUT a secret society? Is the secret handshake performed  
by grabbing the nose and swinging it back and forth like my old SpeedX  
bug?

I'm fighting this 6146 osc of mine. The thing doesn't seem to like to  
oscillate. I tried the gimmick and even some fixed feedback capacitors  
between the cathode and grid. It will osciallate some as the plate tuning  
is rocked past resonance but not well enough to keep up with the dits.  
I'll keep at it a little longer.

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

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Date: Wed, 17 Jan 1996 15:50:06 -0500 (EST)  
From: rdkeys@csemail.cropsci.ncsu.edu  
To: glowbugs@theporch.com  
Cc: rdkeys@csemail.cropsci.ncsu.edu ()  
Subject: Son of Glowbuggin' Tonite  
Message-ID: <9601172050.AA102048@csemail.cropsci.ncsu.edu>

> > I feel that my/our use of ZUT in this furtherance of that goal is in concert  
> > with their philosophy and the spirit of their operators. Several aboard are  
> > ZUT folks, officially, and in kindred spirit.  
>  
> Officially??? Is ZUT a secret society? Is the secret handshake performed  
> by grabbing the nose and swinging it back and forth like my old SpeedX  
> bug?

Welllllllll.....

If I had an ol' speedex bug, we might start something by grabbing the  
nose whilst wigwagging on the bug, at speed.....(:+{}..... Does my  
ol' black racer from the late 20's count sufficiently? It is not one  
of the true blue-blood ones, tho.....

> I'm fighting this 6146 osc of mine. The thing doesn't seem to like to  
> oscillate. I tried the gimmick and even some fixed feedback capacitors  
> between the cathode and grid. It will osciallate some as the plate tuning  
> is rocked past resonance but not well enough to keep up with the dits.  
> I'll keep at it a little longer.

OK, try adding more capacitance to the top section of the feedback divider bridging capacitors. Maybe another 100-250pf on the topside of the cathode tap will help. That will do the same thing as the TNT gimmick would have done, except more powerfully. If it is just on the edge, the gimmick should work, but if not then the Hartley coil tap or the Colpitts capacitance tap needs to be moved up from ground. On the Hartley coil, it is just move the tap up. On the Colpitts capacitance divider, it is increase the value of the top capacitor of the pair (shorting the tap upwards, effectively, for rf).

You might also check or increase the value of any screen bypass capacitor. If it is weak or open, then the feedback loop is not made. It needs to firmly shunt the RF to ground from the screen.

Another thought is to add some rf choking into the screen circuit to force feedback to ground. Be careful here, because lo-freq motorboating can occur at vlf resonances with the choke/bypasses. May or may not be a problem.

Another thing to check would be any grid bias resistors, and the value of bias actually on the grid.

Others may have further thoughts.

It has been a few years since I have seen that schematic, but my memory reflections of it tell me it is a fine little rig that should work quite well, once its teething troubles are solved.

> Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

See you on the Top Band, perhaps, tonight?

73/ZUT DE NA4G/Bob

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End of GLOWBUGS Digest 79

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